

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant(s):** William D. Wilber  
**Serial No.:** 09/987,376  
**Filed:** 11/14/2001  
**Title:** A Tunable Triple-Mode Mono-Block Filter Assembly

**Docket:** 132706 (A8241)  
**Art Unit:** 2817  
**Examiner:** Stephen E. Jones

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97 & 1.98**

Commissioner for Patents  
P. O. Box 1450  
Alexandria VA 22313-1450

**Certificate Under 37 C.F.R. §1.8(a)**

I hereby certify that the above correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope directed to: Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450 on \_\_\_\_\_, 2005 in accordance with 37 C.F.R. §1.6(d).

\_\_\_\_\_  
Jerr Pearson

Dear Sir:

In the matter of the above-identified application, Applicant is submitting herewith a copy of a communication from a foreign patent office in a counterpart foreign application and copies of the documents listed in the attached form equivalent to Form PTO/SB/08A and PTO/SB/08B for the Examiner's consideration.

This Information Disclosure statement is being submitted:

- ☐ 1) within three months of the filing date
- ☐ 2) within three months of the date of entry of the national phase
- ☐ 3) before the mailing date of a first Office Action on the merits
- ☐ 4) before the mailing date of either a Final Action or a Notice of Allowance and is accompanied by
- ☒ 1) the fee of \$180.00 set forth in 37 CFR 1.17(p).
- ☐ 2) the following certification specified in 37 CFR 1.97(e).

On information and belief, I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

☒ 1) Each of the documents listed on the attached form equivalent to Form PTO-1449 is in the English language.

☐ 2) To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR 1.98(a) (3) for a concise explanation of the relevance is satisfied by

☐ 1) an English language version or translation of the foreign patent office report citing the documents.

☐ 2) the following remarks.

☐ 3) the discussion of these documents in the specification.

Nine of the non-patent publications listed in this Information Disclosure Statement were cited in related U.S. Patent Applications (also listed), but Applicants' present attorneys do not have copies of the documents. It is believed that the article of Doust et al, on "Satellite Multiplexing..." can readily be found in the file of U.S. Patent 6,853,271 (application serial number 09/987,353). The remaining eight publications should be readily available in the file of application serial no. 10/277,971.

It is respectfully requested that this Information Disclosure Statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, includes extension of time fees, to the Deposit Account No. 50-0838 of Alcatel USA, and please credit any excess fees to such Deposit Account.

Respectfully submitted,

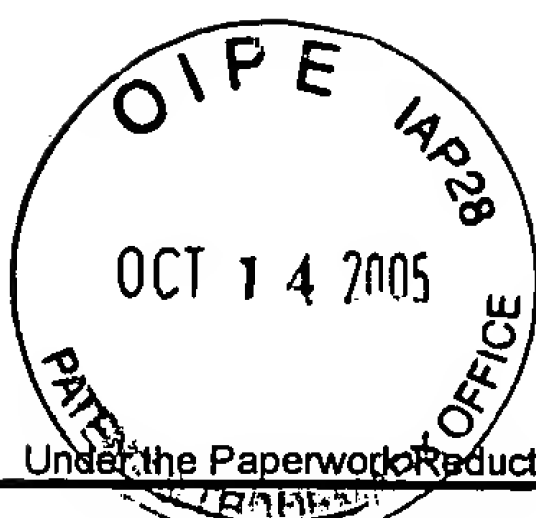
ALCATEL USA

V. Lawrence Sewell

Reg. No. 22,753

Dated: 10-11-05

Alcatel USA  
Intellectual Property Department  
3400 W Plano Parkway, M/S LEGL2  
Plano, TX 75075  
Phone: (972) 519-3735  
Fax: (972) 477-9328



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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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### Complete if Known

Application Number	09/987,376
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First Named Inventor	William D. Wilber
Art Unit	2817
Examiner Name	Stephen E. Jones
Attorney Docket Number	132706 (A8241)

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 4614920	9/30/1986	Tong	
		US- 2003/0090344 A1	5/15/2003	Wang et al	
		US- 2003/0090343 A1	5/15/2003	Wilber et al	
		US- 2003/0090342 A1	5/15/2003	Wilber et al	
		US- 4431977	2/14/1984	Sokola et al	
		US- 5083102	1/21/1992	Zaki	
		US- 5325077	6/28/1994	Ishikawa et al	
		US- 5589807	12/31/1996	Tang	
		US- 5821837	10/13/1998	Accatino et al	
		US- 5859574	1/12/1999	Schmitt	
		US- 6359534 B2	3/19/2002	Hunter	
		US- 6484043 B1	11/19/2002	Klein et al	
		US- 6507254 B1	1/14/2003	Hattori et al	
		US- 6535086 B1	3/18/2003	Liang et al	
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		US- 6563397 B1	5/13/2003	Jang	
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		US- 2002/0041221 A1	4/11/2002	Abdulnour	
		US- 2002/0093395 A1	7/18/2002	Jang	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP 1313164 A2	5/21/2003	Alcatel		
		EP 1265313 A2	12/11/2003	Murata		
		EP 1122807 A1	08/08/2001	Furata		

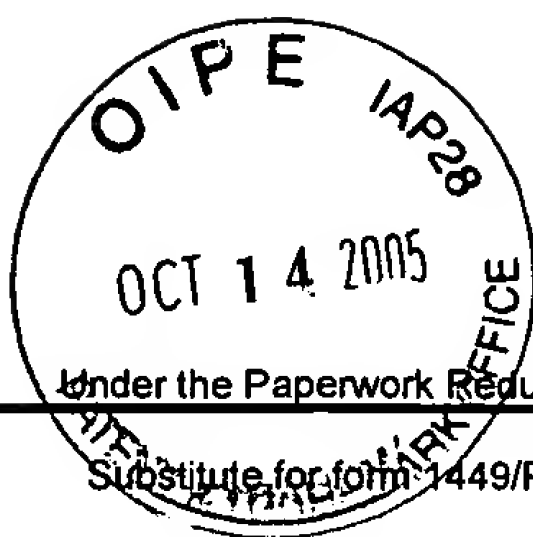
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Application Number	09/987,375
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Art Unit	2817
Examiner Name	Stephen E. Jones
Attorney Docket Number	132706 (A8241)

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		Number-Kind Code <sup>2</sup> (if known)			
		US- 2002/0186103 A1	12/12/2002	Ando et al	
		US- 2003/0117244 A1	6/26/2003	Matsuura et al	
		US- 6556106	4/29/2003	Sano	
		US- 6081175	6/27/2000	Duong et al	
		US- 5783979	7/21/1998	Andoh et al	
		US- 2001/000656 A1	5/3/2001	Arakawa et al	
		US- 6020800	2/1/2000	Arakawa et al	
		US- 5926076 A	7/20/1999	Heine et al	
		US- 6954122	10/11/2005	Wilber et al	
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**FOREIGN PATENT DOCUMENTS**

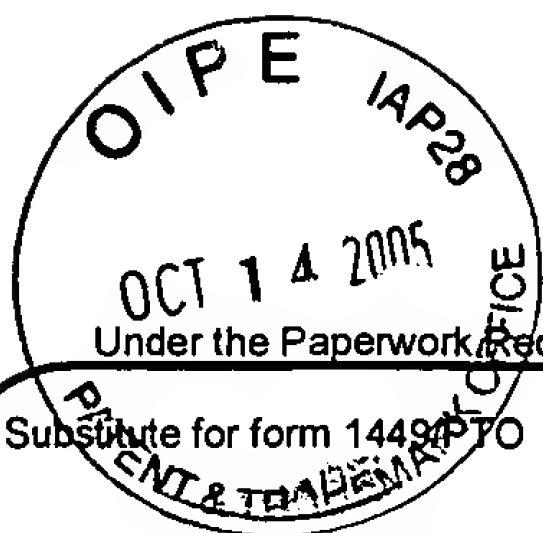
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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
		Tikhov et al., "A Novel Surface Mount Filter Based on a Triple-Mode Ceramic Cavity", Radio and Wireless Conference, 2001, RAWCON 2001, IEEE, 19-22 Aug. 2001, pp.161-164		
		Technical Glossary, Basic Terminology for Quartz Crystal Resonators, <a href="http://www.4timing.com/termcrystal.htm">http://www.4timing.com/termcrystal.htm</a>		
		Ceramic Resonator Glossary, Caliber Electronics, <a href="http://www.caliberelectronics.com">http://www.caliberelectronics.com</a>		
		Microwaves, Metal and Arcing, Excerpts from the book The Complete Microwave Oven Service Handbook, <a href="http://www.gallawa.com/microtech/metal_arc.html">http://www.gallawa.com/microtech/metal_arc.html</a>		
		Glossary of Terms, Spectrum Control, Inc.		
		Spurious Couplings Degrade Bandpass Filter Performance, Kurzrok, MWRF October 1999, <a href="http://www.microwavesrf.com/Globals/PlanetEE/dsp/article.cfm">http://www.microwavesrf.com/Globals/PlanetEE/dsp/article.cfm</a>		
		Tunable Compline Filter Using 60 Degree Resonators, Kurzrok, Applied Microwave & Wireless, pgs 98, 100		
		Generalized Multi-Layer Compline and Dielectric Loaded Resonators for CAD of High Performance Base Station Filters, Wang t al, Progress in Electromagnetics Research Symposium, July 5-14, 2000, Cambridge, MA, USA		
		TEM Mode Dielectric Compline, FSY Microwave, Inc., <a href="http://www.fsmicrowave.com/temcomb.htm">http://www.fsmicrowave.com/temcomb.htm</a>		
		Coupling Bandwidth and Reflected Group Delay Characterization of Microwave Bandpass Filtesr, Martin et al., Applied Microwave & Wireless, pgs. 86-98		

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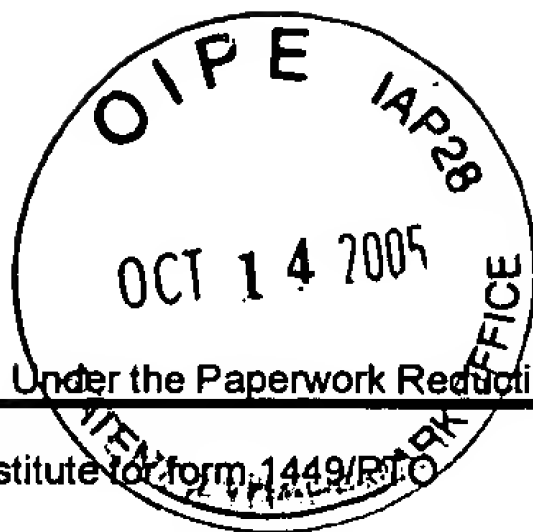
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		Cavity and Surface-Mount Delay Line Filters for Feedforward Power Amplifiers, K&L Microwave, Inc., September 1999, pages 1-5	
		Product Definitions -- Delay Lines; <a href="http://www.rhombus-ind.com/prodefin.html">http://www.rhombus-ind.com/prodefin.html</a>	
		The Website for Mobile Communications EMC Technology, Inc. RF resistive Products, Attenuators, Power Sensing Terminations, Thermopads and Delay Lines, <a href="http://www.mobilecomms-technology.com/contractos/electroniccomponents/emc/">http://www.mobilecomms-technology.com/contractos/electroniccomponents/emc/</a>	
		e-tenna Corporation, "Using Variable delay Lines to Enhance Feedforward Power Amplifiers & Systems Application of e-tenna Corporation's VDL100, pgs 1-9	
		MDP Microwave Products Digest, September 2001, Variable Delay Lines Enhance Feedforward Power Amplifies and Bypass Applications, Lilly, et al, <a href="http://www.mpdigest.com/Articles/Sept2001/etenna/Default.htm">http://www.mpdigest.com/Articles/Sept2001/etenna/Default.htm</a>	
		Using Resonated Couplings in Filters, RS Microwave Techonlogy Center , May 1997, <a href="http://rf.rfglobalnet.com/library/ProductNotes/files/6/5-97tech.tm">http://rf.rfglobalnet.com/library/ProductNotes/files/6/5-97tech.tm</a>	
		Doust et al., Satellite Multiplexing Using Dielectric Resonators Filters," , dec. 1989 Microwave Journal, pp. 93-106	

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